27482
S/048/61/025/009/007/007
B104/B102

9.4160

AUTHORS: Vil'dgrube, G. S., Dalinenko, T. K., Dunayevskaya, N. V., and Ronkin, Zh. M.

TITLE: Light-pulse characteristics of louver-type photomultipliers

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25, no. 9, 1961, 1183 - 1185

TEXT: This paper was read at the 9th Annual Conference on Nuclear Spectroscopy. The photomultipliers mentioned in the legend to Fig. 1 were tested with a device described in a previous paper (Vil'dgrube, G. S., et al., Izv. Ak. nauk, ser. fiz., 25, no. 9, 1961). The output-signal amplitude of the photomultiplier is estimated from the voltage of a square pulse measured with an МВИ1М(MVI1M) voltmeter in the anode circuit of the photomultiplier. Pulses of 2μsec duration were fed to a ЗЛК-1 (ZLK-1) tube. The light intensity was varied with light filters. The pulse-repetition frequency was 50 cps. Fig. 1 indicates that photomultipliers with alloyed emitters can be used under forced conditions with pulse durations and pulse-repetition frequencies (Fig. 1, curves 1 - 5, 7)

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Light-pulse characteristics of...

exceeding those of photomultipliers with antimony-cesium emitters (curve 6). In this case, the limit of linearity of the light-pulse characteristic is determined by the resistance of the anode. On the basis of statistical material, the authors make a suggestion for the choice of optimum voltage dividers designed for continuous operation. The stability of the output current of a photomultiplier operating for 8 hr amounted to 5% both in single-signal operation and at a pulse-repetition frequency of 50 cps. There are 2 figures and 1 Soviet reference.

Fig. 1: Family of light-pulse characteristics for various photomultipliers. Legend: (1) ФЭУ-49 (FEU-49); (2) ФЭУ-53 (FEU-53); (3) ФЭУ-11 (FEU-11); (4) ФЭУ-ЕМИ-9558 (FEU-YeMI-9558); (5) ФЭУ-19М (FEU-19M (alloyed)); (6) ФЭУ-19 (FEU-19); (7) ФЭУ-1В (FEU-1V).

Card 2/3

VIL'DGRUBE, G.S.; DALINENKO, N.K.; DUNAYEVSKAYA, N.V.; MONKIN, Zh.M.

Methods of study and stability of louver-type photomultipliers.
Prib. i tekh. eksp. 8 no.5:167-172 S-O '63. (MIRA 16:12)

L 1637-66 EWT(1)/EWA(h)

ACCESSION NR: AP5016403 UR/0181/65/000/003/0228/0230

[illegible], M. P.; Vildgrube, G. S.; Dunayevskaya, N. [illegible]

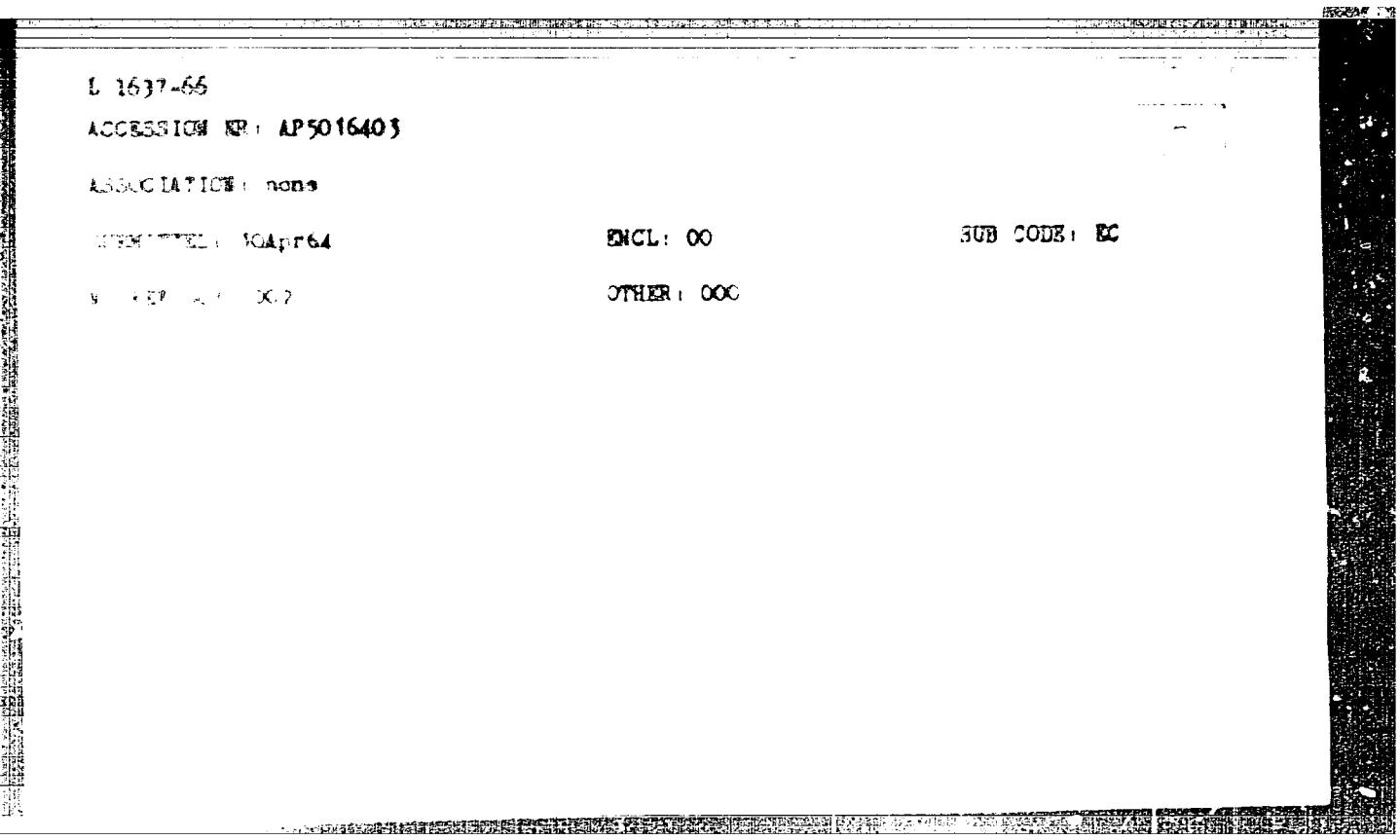
TITLE: Louver-type electron multipliers for recording charged particles

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1965, 228-230

TOPIC TAGS: electron multiplier

ABSTRACT: Louver-type secondary-electron multipliers intended for charged-particle [illegible] have been manufactured on the basis of [illegible] and [illegible] transmission of the louver [illegible]

Card 1/2



L 1637-66

ACCESSION NR: AP5016403

ASSOCIATION: none

SUBMITTED: 30Apr64 ENCL: 00 SUB CODE: EC

NO REF SOV: 002 OTHER: 000

ACCESSION NR: AP4024064 S/0048/64/028/002/0384/0387

AUTHOR: Vi[illegible]dgrube, G.S.; Dunayevskaya, N.V.; Fedorova, D.B.

TITLE: The FEU-56 photomultiplier tube /Report, Thirteenth Annual Conference on Nuclear Spectroscopy held in Kiev 25 Jan to 2 Feb 1963/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.2, 1964, 384-387

TOPIC TAGS: photomultiplier, photomultiplier characteristics, photomultiplier parameters, FEU-56, photomultiplier

ABSTRACT. The paper gives a description of the new Soviet photomultiplier designated the FEU-56 and the results of comparative measurements of the performance of this tube. The FEU-56 has an 80 mm diameter front window and an overall length of 125 mm. In general design it is similar to the FEU-52, and as in the case of the latter tube all the leads are brought out through the base (no side leads). In contrast to the FEU-52, however, the FEU-56 has an antimony-cesium photocathode on a transparent conducting backing. The basic parameters of the FEU-56 are listed in a table: it has 12 multiplication stages, its spectral sensitivity range extends from 3000 to 6500 Å with the peak at about 4000 Å. The operating characteristics are shown in curves

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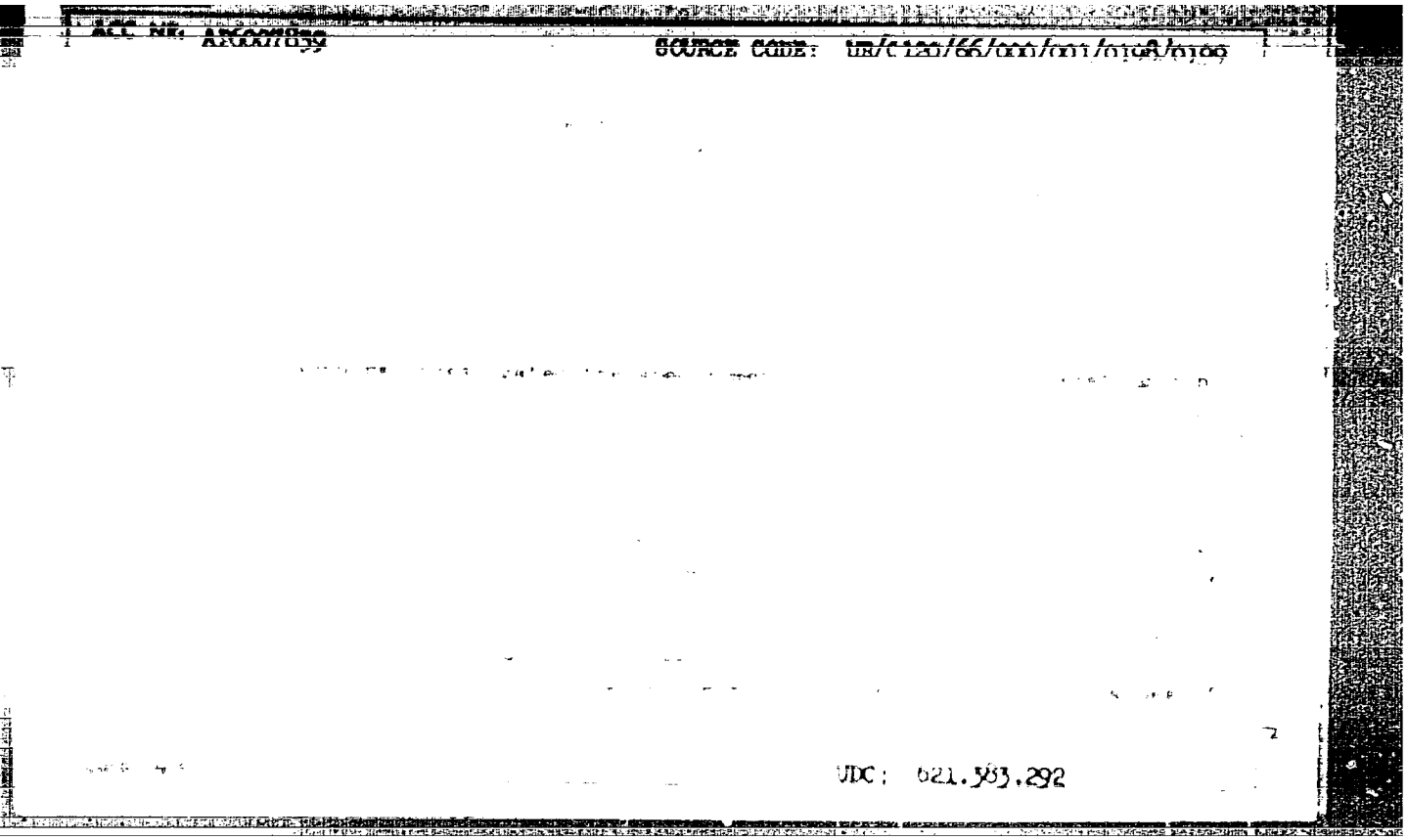
ACCESSION NR: AP4024064

and compared with those of the FEU-24 and FEU-52. The amplitude resolution of the FEU-56 with an NaI crystal is 10-12%; the base pulse width is about 50 nanosec, the pulse rise time about 8 nanosec. The tests showed that the FEU-56 can operate satisfactorily under the conditions of a strong γ-background. Orig.art.has: 6 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 00	DATE ACQ: 06Apr64	ENCL: 00
SUB CODE: GE	NR REF SOV: 004	OTHER: 000

Card 2/2



ACC NR: AP6007839

... resistances required for the various multipliers are given. Orig. art. has:

... / SUBM DATE: ... Jan ... ORIG REF: ...

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041153(

ACC NR: AP6027248 SOURCE CODE: UR/0109/66/011/008/1533/1535

AUTHOR: Dunayevskaya, N. V.

ORG: none

TITLE: Effect of electron flight through louver dynodes on photomultiplier parameters

SOURCE: Radiotekhnika i elektronika, v. 11, no. 8, 1966, 1533-1535

TOPIC TAGS: photomultiplier, multiplier phototube

ABSTRACT: The results are reported of an experimental study of the electron flight without multiplication, through louver-type dynodes and the effect of such electrons on the gain, amplitude resolution, signal-to-noise ratio, and time parameters. These conclusions are offered: (1) Nonmultiplying electron flight substantially affects the multiplier gain and amplitude spread, and increases the output noise; (2) These electrons also contribute to the electron transit time; (3) The nonmultiplying flight can be minimized by proper orientation of the electron beam with respect to the first dynode; (4) Emitters having high secondary-emission ratio are recommended to blunt the effect of nonmultiplying electrons. "The author wishes to thanks G. S. Vil'dgrube for his constant interest in the work and E. V. Chubarova and I. N. Sokolova for their help in measurements." Orig. art. has: 3 figures, 2 formulas, and 2 tables.

SUB CODE: 09 / SUBM DATE: 15Sep65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 UDC: 621.383.292

ACC NR: AP6025606 SOURCE CODE: UR/0413/66/000/013/0048/0049

INVENTORS: Aynbund, M. R.; Dunayevskaya, N. V.

ORG: none

TITLE: Electron-optical system. Class 21, No. 183295

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 48-49

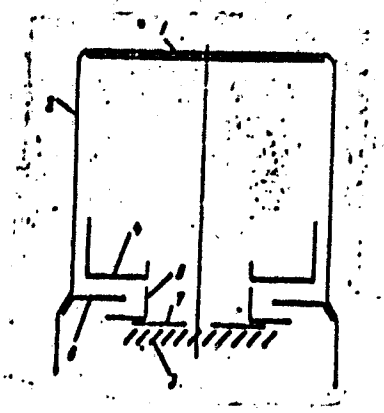
TOPIC TAGS: electron optics, photocathode

ABSTRACT: This Author Certificate presents an electron-optical system for an electrovacuum device containing a photocathode, a dynode, and three intermediate electrodes between them. The first electrode is in the form of a can with a hole in the center, the second is cyclindrical, and the third is a conical centering electrode making contact with the inner surface of the container (see Fig. 1). To focus the photoelectrons onto the smallest area of the dynode with the shortest trajectory, the distance from the photocathode to the hole in the first intermediate electrode is taken equal to the diameter of the working surface of the photocathode and 2—10 times greater than the diameter of the hole in the first intermediate electrode. The ratio of the diameter of the hole in the first intermediate electrode, the diameter and length of the cylindrical side surface of this electrode, the diameter and length of the second intermediate electrode, and the distance from the first intermediate electrode to the plane of the first dynode is taken as 1:2:0.5:1:0.3:0.5. To decrease the dark

Card 1/2 UDC: 621.383.292

ACC NR: AP6025606

Fig. 1. 1 - photocathode; 2 - container; 3 - dynode; 4 - first intermediate electrode; 5 - second intermediate dynode; 6 - third intermediate electrode; 7 - additional intermediate electrode



current and the signal caused by thermal emission and illumination of the side surface of the container, an electrode with a central hole, whose diameter is no greater than a quarter of the diameter of the central hole of the first intermediate electrode, is placed in front of the dynode. Orig. art. has: 1 diagram.

SUB CODE: 20 / SUBM DATE: 07Jun65

Card 2/2

PHASE I BOOK EXPLOITATION SOV/5082

Chegodayev, D.D., Z.K. Naumova, and Ts.S. Dunayevskaya

Ftoroplasty (Fluoroethylenes) 2d enl ed. Leningrad, Goskhimizdat, 1960. 190 p. Errata slip inserted. 15,000 copies printed.

Ed. (Title page): L.V. Chereshkevich; Ed.: Ye. I. Shur; Tech. Ed.: Ye. Ya. Erlikh.

PURPOSE: This book is intended for technical and scientific personnel and designers in the chemical, refrigeration, food, pharmaceutical, electrical and electronic industries.

COVERAGE: The book deals with the development and application of fluoroethylenes in the Soviet Union. It contains data on the properties of fluoroethylenes and on methods of processing them. The material is based on research carried out at the NIIPM - Moskovskiy nauchno-issledovatel'skiy institut plasticheskikh mass (Moscow Scientific Research Institute of Plastics), where special methods for the fabrication of bellows, valves, and pipes are currently being developed.

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Fluoroethylenes

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Manufacture of tetrafluoroethylene began in 1949 and manufacture of chlorotrifluoroethylene in 1951. The methods were developed at the NIIPP - Nauchno-issledovatel'skiy institute polimerizatsionnykh plastmass (Scientific Research Institute of Polymerization Plastics) in Leningrad under the direction of the laboratory chief, L.V. Chereshkevich. The main participants in this work mentioned are: V.A. Martyakova, A.V. Yegerova, V.A. Arlyuk, L.I. Gracheva, T.N. Zelenkova, V.I. Ivanova, A.A. Kuznetsova, N.Ye. Yavzina, N.A. Bugorkova, and K.A. Sivograkova. There are no references.

TABLE OF CONTENTS:

Card 2/5

33386
15 8160 S/190/62/004/002/017/021
11.2214 B110/B101

AUTHORS: Tarutina, L. I., Dunayevskaya, Ts. S.

TITLE: Spectroscopic study of structural changes in polytrifluoro chloro ethylene during thermal aging

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 2, 1962, 276-281

TEXT: To study the structural changes occurring during thermal aging at 270, 290, 300, 330, and 350°C in air and vacuo in polytrifluoro chloro ethylene (I), the infrared absorption spectra between 4000 and 700 cm^{-1} were taken by a Hilger spectrometer. Aging in vacuo was conducted in the form of powder and 100μ (spectral range between 4000 and 1300 cm^{-1}) and 3-5μ thick films (spectral range between 1300 and 750 cm^{-1}). New absorption bands appeared at 1780, 1360, 1310, and 898 cm^{-1}. The band at 1780 cm^{-1} proves the C=C bond, that at 1360 cm^{-1} the C-F bond of the CF_2 group, that at 1310 cm^{-1} the C-F bond of the -CF= group. This suggests

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Spectroscopic study of...

the process: $-CF(Cl)-CF_2-CFCl-CF_2- \longrightarrow -CF=CF_2 + CFCl_2-CF_2-$. The absorption band at 900 cm^{-1} confirms the C-Cl bond of the $-CFCl_2$ group. Chlorine and fluorine are separated during aging. The number of double bonds grows linearly with the heating time after 100-hr aging at 300°C. Since the separated gases are not removed, the decomposition products do not affect the decomposition rate of the polymer. The changes of spectra of polymers aged at 270, 300, 330, and 350°C resemble each other. Thus, all temperatures effect the same aging mechanism: sharp increase of the decomposition rate, and increase in number of double bonds. Destruction of I at $\geq$350°C effects formation of the monomer and of a mixture of low-molecular polymers. On chlorine or fluorine treatment of the mixture, the bands at 1780, 1360, and 1310 cm^{-1} disappear by saturation of double bonds. Polymers aged at 330 and 350°C still show a band at 1705 cm^{-1} whose intensity also decreases after Cl or F treatment. This suggests formation of double bonds in the chain center due to cleavage of Cl or F without chain rupture; the probability of double bonds grows with increasing aging temperature. Bands are formed at 1875, 1805, and 1770 cm^{-1} after 5 hrs aging in air at 330°C. The band at 1875 cm^{-1} belongs to the

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C-O bond in $-C\begin{matrix}O\\F\end{matrix}$. After 3-hr boiling in water the reaction

$\sim C\begin{matrix}O\\Cl\end{matrix} + H_2O \rightarrow \sim C\begin{matrix}O\\OH\end{matrix} + HCl$ takes place, with growing intensity of the 1770 cm^{-1} band which corresponds to the C-O bond of the carboxyl group. After 1 and 7 hrs aging in air of samples previously heated in vacuo for 5 hrs, the intensity of the band of double bonds (1780 cm^{-1}) decreases; fluoro anhydride (1875 cm^{-1}) and chloro anhydride bands (1805 cm^{-1}) appear: $\sim CF=CF_2 \longrightarrow \overset{O-O}{CF-CF} \rightarrow \sim C\begin{matrix}O\\F\end{matrix} + COF_2$. Further aging in air at 330°C effects a decrease in intensity of the fluoro anhydride bands, and increasing carboxyl bands. During aging at 300°C, some samples are weakly oxidized which depends on the method of production. The authors thank V. M. Chulanovskiy, L. V. Chereshkevich for interest, L. I. Gracheva and Z. F. Karpova for assistance. There are 6 figures, 2 tables, and 6 non-

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33386
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B110/B101

Spectroscopic study of...

Soviet references. The four most recent references to English-language publications read as follows: C. R. Jianotta, Plastics, 18, 166, 1953; S. Liang, S. Krimm, J. Chem. Phys., 25, 563, 1956; M. Iwasaki et al. J. Polymer Sci., 25, 377, 1957; C. L. Madorsky, S. Straus, J. Res. Nat. Bur. Standards, 55, 223, 1955.

ASSOCIATION: Nauchno-issledovatel'skiy institut polimerizatsionnykh plastmass (Scientific Research Institute of Polymerized Plastics)

SUBMITTED: February 11, 1961

Card 4/4

TARUTINA, L.I.; DUNAYEVSKAYA, TS.S.

Spectroscopic study of structural changes in polytrifluorochloroethylene in the process of its thermal aging. Vysokom.soed. 4 no.2:276-281 F '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut polimerizatsionnykh plastmass.

(Ethylene polymers--Spectra)

DUNAYEVSKAYA-TARNOGRADSKAYA, B. S.

Dunayevskaya-Tarnogradskaya, B. S. "Hepatodystrophy in children," Trudy Azerbaydzh. nauch.-issled. in-ta okhrany materinstva i mladenchestva i pediatr. kafedr Azerbaydzh. med. in-ta, Baku, 1949, p. 67-75, (Resume in Azerbaijani).

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

DUNAYEVSKAYA-TARNOGRADSKAYA, B. S.

Dunayevskaya-Tarnogradskaya, B. S. "On the problem of the disturbance of the function of the liver in cases of pneumonia in very young children, and experience in the use of insulin therapy," Trudy Azerbaydzh. nauch.-issled. in-ta okhrany materinstva i mladenchestva i pediatr. kafedr Azerbaydzh. med. in-ta, Baku, 1949, p. 236-39, (In Russian and Azerbaijani).

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

DUNAYEVSKIY, A.

Prizvanie [Vocation]. Moskva, "Molodaia gvardiia," 1951. 95 p. (Molodye stroiteli kommunizma)

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

1. DUNAYEVSKIY, A.M:
2. USSR (600)
4. Social Sciences
7. Cultural-mass work of the rural moving picture operator. Moskva,1952

9. Monthly List of Russian Accessions, Library of Congress, March,1953.Unclassified.

DOBROKHOTOVA, A.I., professor; DUMAYEVSKIY, A.Yu., dotsent.

Modern principles in planning contagious disease sections in sector and district hospitals. Pediatriia, no.5:7-14 S-O '55. (MLRA 9:2)

1. Iz Instituta pediatrii AMN SSSR (dir.-chlen-korrespondent AMN SSSR prof. O.D. Sokolova-Ponomareva) 2. Chlen-korrespondent AMN SSSR (for Dobrokhotova).

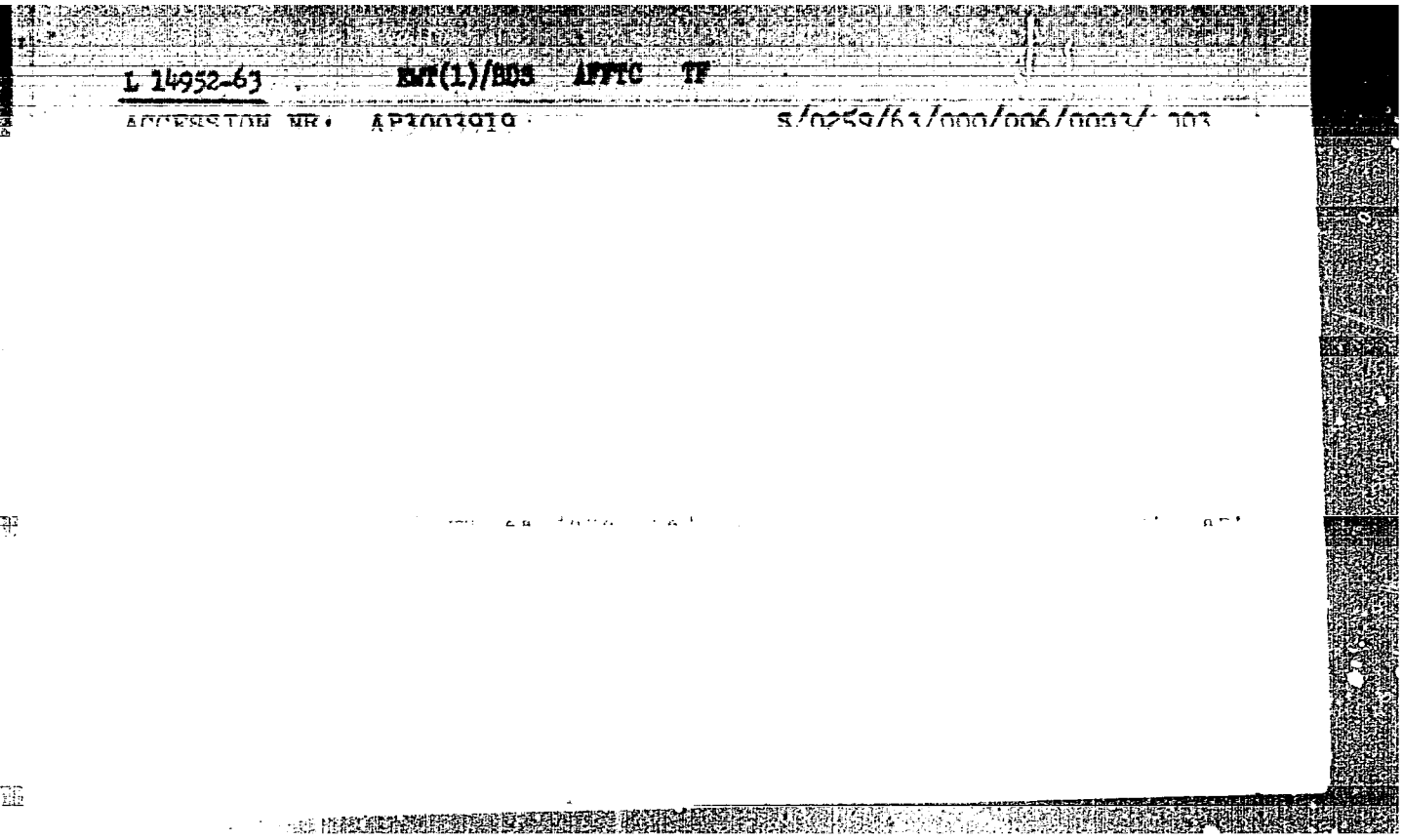
(HOSPITALS,
planning of stations for contagious dis. in Russia)

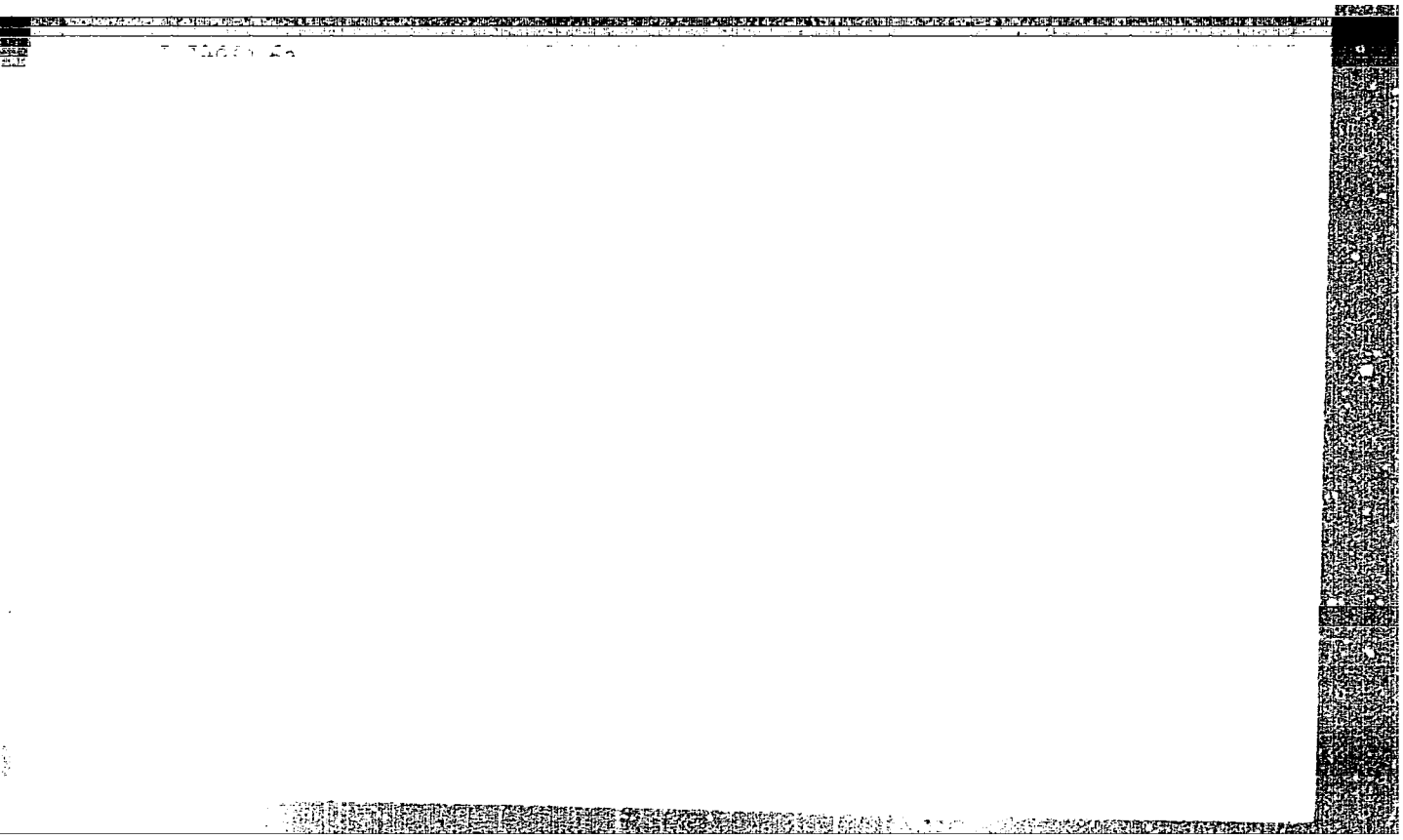
DUNAYEVSKIY, B.

Visible invisible things. MTO 2 no.7:29-31 Jl '60.
(MIRA 13:7)
(Ultrasonic waves—Industrial applications)
(Infrared rays—Industrial applications)
(Gamma rays—Industrial applications)

DUNAYEVSKIY, B.

Microwire. Tekh.tekh.5 no.10:30-33 O '60. (MIRA 13:12)
(Wire drawing)





APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041153(

DUNAYEVSKIY, D.

Subject : USSR/Engineering AID P - 1142

Card 1/1 Pub. 78 - 20/25

Author : Dunayevskiy, D.

Title : Insulation of pipe lines under winter conditions

Periodical : Neft. khoz., v. 32, #11, 79-83, N 1954

Abstract : Various processes for anti-corrosion protection are briefly described. The processes include preliminary cleaning, heating, drying and coating by bitumous compounds of the different compositions required for different climatic conditions.

Institution : VNII-Stroyneft (All-Union Scientific Research Institute for the Petroleum Industry)

Submitted : No date

DUNAYEVSKIY, D.B.; LAPTEV, Yu.P.; SOBOLEV, N.A.

Apparatus for thermal castration of farm crops. Agrobiologiia no.2:282-284 Mr-Ap '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zernobobovykh kul'tur, Orel.

DUNAYEVSKIY, F. R.

Deceased

See I & C

Physiology

DUNAYEVSKIY, G.A.

USSR / Pharmacology, Toxicology, Analeptics U-3

Abs Jour : Referat Zh.-Biol., No. 1, 1958, No 3376

Author : Dunayevskiy, G.A.

Inst : Not given

Title : An Experiment in the Use of a Ginseng Compound in Bodkin's Disease [=Acute Infective Hepatitis; translator]

Orig Pub : Materialy k izucheniyu zhen'shenya; limonnika. Vyp. 2., M.-L., AN SSSR, 1955, 189-195.

Abstract : 13 patients with epidemic hepatitis were treated with an extract of ginseng. 20 drops were given orally 2 hours a.c. twice daily. It was found that ginseng did not shorten the duration of the period of icterus in epidemic hepatitis but favored a more rapid restoration of liver function and, in some cases, prevented a transformation of the illness into a chronic form.

Card : 1/1

DUNAYEVSKIY, G.A.

Oxyhemometric analysis of the blood. Lab.delo 6 no.1:15-18 Ja-Fe '60. (MIRA 13:4)

1. Iz vtoroy kafedry terapii dlya usovershenstvovaniya vrachey (nachal'nik G.A. Smagin) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(BLOOD--OXYGEN CONTENT)

DUMAYEVSKIY, G.M.

Unusual plastic surgery for the opening of a diaphragmatic hernia.
Zdrav.Belor. 6 no.2:64-65 F '60. (MIRA 13:6)

1. Iz khirurgicheskogo otdeleniya Starovlyanskoy rayonnoy bol'nitsy.
(DIAPHRAGM--HERNIA)

DUNAYEVSKIY, G.M.

Lesions of the liver. Zdrav. Bel. 9 no.3:77-78 Mr '63
(MIRA 16:12)

1. Glavnyy vrach Narovlyanskoy rayonnoy bol'nitsy.

DUNAYEVSKIY, K.I., professor (Moskva)

Indications for prostatectomy in prostatic adenoma. Urologiia no.4: 3-7 O-D '55. (MLRA 9:12)

1. Iz urologicheskogo otdeleniya kafedry klinicheskoy voyenno-polevoy khirurgii (nach. - polkovnik meditsinskoy sluzhby prof. A.S.Rovnov) voyennogo fakul'teta pri TSentral'nom institute usovershenstvovaniya vrachey i 6-y Klinicheskoy bol'nitsy (glavvrach N.S.Shevyakov)
(PROSTATE, neoplasms
adenoma, surg., indic.)

SIESARENKO, V.V.; DUNAYEVSKIY, K.A.

Transovarial transmission of spirochaetes causing tick-borne relapsing fever in Alectorobius asperus. Med. paraz. i paraz. bol. 33 no.6:744-745 N-D '64. (MIRA 18:6)

1. Basseynovaya sanitarno-epidemiologicheskaya stantsiya Ministerstva zdravookhraneniya UkrSSR, Kiyev.

DUMAYEVSKIY, L.I.

FRUMKIN, A.P., professor, DUMAYEVSKIY, L.I., professor, sekretar'.

Professor I.M.Epshtein; on his 60th birthday. Urologiia no.2: 94-95 Ap-Je '55. (MLRA 8:10)

1. Predesdatel' pravleniya Moskovskogo obshchestva urologov (for Frumkin)
(BIOGRAPHIES,
Epshtein, I.M.)

DUNAYEVSKIY, L.I., professor (Moskva)

Etiology of adenoma (hypertrophy) of the prostate; review of the literature. Urologiia 22 no.3:64-72 My-Je '57. (MLRA 10:8)
(PROSTATE HYPERTROPHY, etiol. and pathogen.
review)

DUBAYEVSKIY, L.I.

Tasks and prospects in the development of urological instruments
Med.prom 12 no.8:5-8 Ag '58 (MIRA 11:9)

1. Urologicheskoye otdeleniye Basmannoy bol'nitsy, Moskva.
(MEDICAL INSTRUMENTS AND APPARATUS)

DUNAYEVSKIY, L.I., prof.

"Sexual disorders in men" by I.M. Porudominskii. Reviewed by L.I. Dunaevskii. Sov. med. 22 no.12:137-139 D '58. (MIRA 12:1)
(IMPOTENCE) (PORUDOMINSKII, I.M.)

DUNAYEVSKIY, Lev Isaakovich

[Adenoma of the prostate; etiology, clinical aspects, and treatment] Adenoma predstatel'noi zhelezy; etiologiia, klinika, lechenie. Moskva, Medgiz, 1959. 271 p. (MIRA 13:2)
(PROSTATE GLAND--TUMORS)

ABRAMYAN, A.Ya., prof.; ATABEKOV, D.N., prof.; VOROBTSOV, V.I., kand. med. nauk; GASPARYAN, A.M., prof.; GREBENSHCHIKOV, G.S., prof.; DZHAVAD-ZADE, M.D., kand. med. nauk; DUNAYEVSKIY, L.I., dots., prof.; LOPATKIN, N.A., dots.; POMERANTSEV, A.A., dots.; PYTEL', A.Ya., prof.; RIKHTER, G.A., prof.; RUSANOV, A.A., prof.; SMIRNOV, A.V., prof.; SYROVATKO, F.A., prof.; TSULUKIDZE, A.P., prof.; SHAPIRO, I.N., prof.; EPSHTEYN, I.M., prof.; PETROVSKIY, B.V., prof., otv. red.; BAKULEV, A.N., akademik, red.; GUKASYEV, A.V., prof.; YEGOROV, B.G., prof., red.; KUPRIYANOV, P.A., prof., red.; PANKRAT'YEV, B.Ye., prof., red.; FILATOV, A.N., prof., red.; CHAKLIN, V.D., prof., red. GORELIK, S.L., red.; GABERLAND, M.I., tekhn. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Gos. izd-vo med. lit-ry. Vol.9. [Surgey of the urinary and genital organs and the retroperitoneal space] Khirurgiia mochevykh i polovykh organov i zabriushinnogo prostranstva. 1959. 630 p. (MIRA 15:4)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Petrovskiy, Yegorov, Kupriyanov).
(RETROPERITONEAL SPACE—SURGERY)
(GENITOURINARY ORGANS—SURGERY)

DUNAEVSKIY, L.I.; ASTAF'YEV, G.V.; KRYAZHEVA, Ye.G.

Guide for the retrograde introduction of catheters. Urologiia 26 no.2:66-67 '61. (MIRA 14:3)

(CATHETERS)

PETROV, B.D., red.; GOL'DIN, G.I., red.; DUNAYEVSKIY, L.I., red.; PORUDOMINSKIY, I.M., red.; EPSHTEYN, I.M., red.; KUDRYAVTSEV, M.A., red.; NAVROTSKIY, O.G., tekhn. red.

Rikhard Mikhailovich Fronshtein. Pod red.B.D.Petrova. Moskva, Gos.izd-vo med.lit-ry, 1962. 65 p. (MIRA 15:9)

1. Moscow. Pervyy meditsinskiy institut. 2. Zaveduyushchiy kafedroy istorii meditsiny 1-go Moskovskogo ordena Lenina meditsinskogo instituta (for Petrov).
(FRONSHTEIN, RIKHARD MIKHAILOVICH, 1882-1949)

DUNAYEVSKIY, L.I., prof.

Resistance of estrogens in the treatment of prostatic cancer. Urologiia no.1:63-68 '62. (MIRA 15:11)

1. Iz Moskovskoy gorodskoy klinicheskoy bol'nitsy No.6 (glavnyy vrach N.S. Shevyakov).
(PROSTATE--CANCER) (ESTROGENS)

DUNAYEVSKIY, M.I.

SMORODINTSEV, A.A., AL'TSHULER, I.S., DUNAYEVSKIY, M.I., KISILEV, M.V., CHURILOV, A.V. DARKSHEVICH, V.

Prophylaxis of hemorrhagic Nephroso-Nephritis, Russian pamphlet (Etiologiya i Klinika Gemorragicheskogo Nefrozo-Nefrita, pub by Medgiz, 1944.
CTS 30, 29 Apr 1952

DUNAYEVSKIY, M.I.

Simple method for photomicrography. Lab.delo 3 no.4:51-52 Jl-Ag '57.
(PHOTOMICROGRAPHY) (MLRA 10:8)

DUNAYEVSKIY, M. I.

Typical elements of a urinary precipitate in epidemic hemorrhagic fever. Lab.delo 4 no.3:14-18 My-Je '58 (MIRA 11:5)
(HEMORRHAGIC FEVER)
(URINE--ANALYSIS AND PATHOLOGY)

DUNAYEVSKIY, M.I.

Complexes of the altered cylindrical epithelium in the sputum in bronchial asthma. Lab. delo 6 no.5:39-41 S-O '60. (MIRA 13:9)
(ASTHMA) (EPITHELIUM)

DUNAYEVSKIY, M.T.

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PHASE I BOOK EXPLOITATION SOV/5458

Girshovich, Naum Grigor'yevich, Doctor of Technical Sciences, Professor, ed.

Spravochnik po chugunnomu lit'yu (Handbook on Iron Castings) 2d ed., rev. and enl. Moscow, Mashgiz, 1961. 800 p. Errata slip inserted. 16,000 copies printed.

Reviewer: P. P. Berg, Doctor of Technical Sciences, Professor; Ed.: I. A. Baranov, Engineer; Ed. of Publishing House: T. L. Leykina; Tech. Eds.: O. V. Speranskaya and P. S. Frumkin; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This handbook is intended for technical personnel at cast-iron foundries. It may also be of use to skilled workmen in foundries and students specializing in founding.

COVERAGE: The handbook contains information on basic problems in the modern manufacture of iron castings. The following are discussed: the composition and properties of the metal; the making of molds; special casting methods; the charge preparation; melting

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Handbook on Iron Castings SOV/5458

and modifying the cast iron; pouring, shaking out, and cleaning of castings; heat-treatment methods; and the inspection and rejection of castings. Information on foundry equipment and on the mechanization of castings production is also presented. The authors thank Professor P. P. Berg, Doctor of Technical Sciences, and staff members of the Mosstankolit Plant, headed by the chief metallurgist G. I. Kletskin, Candidate of Technical Sciences, for their assistance. References follow each chapter. There are 287 references, mostly Soviet.

TABLE OF CONTENTS:

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DUNAYEVSKIY, M. M., Min. Eng.

Automatic grab for transporting railroad sections. Mekh. trud. rab. 6, No 6, 1952.

GUSEV, A.M., gornyy inzhener; DUNAYEVSKIY, M.M., gornyy inzhener

Some problems pertaining to work mechanization in quarries of "Soiuznerudа." Gor.shur. no.2:44-45 F'55. (MLRA 8:7)
(Quarries and quarrying)

DUNAYEVSKIY, M.M.; IL'INSKIY, B.D.; SINEBRYUKHOV, N.V.; ZORIN, S.V., red.; MIKHAYLOVA, V.V., tekhn.red.

[Safety regulations in sintering plants] Pravila bezopasnosti v aglomeratsionnom proizvodstve. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 44 p. (MIRA 13:11)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii (VNIIOCHERMET) (for Dunayevskiy, Il'inskiy, Sinebryukhov).
(Sintering--Safety measures)
(Metallurgical plants--Safety measures)

IL'INSKIY, B.D.; PETRENKO, L.I.; SINEBRYUKHOV, N.V.; DUNAYEVSKIY, M.M.; ZORIN, S.V., red.; MIKHAYLOVA, V.V., tekhn.red.

[Safety regulations in the electric steel smelting industry] Pravila bezopasnosti v elektrostaleplavil'nom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 94 p. (MIRA 13:11)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii (VNIIOCHERMET) (for Il'inskiy, Petrenko, Sinebryukhov, Dunayevskiy).
(Steel—Electrometallurgy)
(Metallurgical plants—Safety measures)

IL'INSKIY, B.Yu.; LUBATSVSKIY, M.M.; SIMMERYUKHOV, N.V.; ZORIN, S.V., red.; KLEYNMAN, M.R., tekhn.red.

[Safety regulations in the blast-furnace process] Pravila bezopasnosti v domennom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 87 p. (MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet.
(Blast furnaces--Safety measures)

DUNAYEVSKIY, M.M.; IL'INSKIY, B.D.; SINEBRYUKHOV, N.V.; VORKEL', M.M.; ZORIN, S.V., red.; DOBUZHINSKAYA, L.V., tekhn.red.

[Safety regulations in rolling-mill practice] Pravila bezopasnosti v prokatnom proizvodstve. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 112 p. (MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti. TSentral'nyy komitet. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii (for Dunayevskiy, Il'inskiy, Sinebryukhov, Vorkel').
(Rolling mills--Safety measures)

IL'INSKIY, B.D.; DUMAYEVSKIY, M.M.; SINEBRYUKHOV, N.V.; PETRENKO, L.I.; ZORIN, S.V., red.; DOBUZHINSKAYA, L.V., tekhn.red.

[Safety regulation in the open-hearth process] Pravila bezopasnosti v martenovskom proizvodstve. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 127 p. (MIRA 13:7)

1. Soyuz rabochikh metallurgicheskoy promyshlennosti SSSR. TSentral'nyy komitet.

(Open-hearth furnaces--Safety measures)

DUNAYEVSKIY, M.I., doktor tekhnicheskikh nauk; LITVIN, A.M., redaktor; [illegible], T.M., tekhnicheskiy redaktor

[Engineering and economic aspects of central heating plant design] Tekhniko-ekonomicheskie osnovy teplofikatsii. Moskva, Gos. energ. izd-vo, 1952 255 p. [Microfilm] (MLRA 7:10)
(Heating from central stations)

DUMAYEVSKIY, N.I., professor; SHUBIN, Ye.P., inshener.

Operation of heat and electric power plants in electric power systems with large capacity, hydroelectric power stations. Elek.sta. 24 no.11:23-25 N '53. (MLRA 6:11)
(Electric power stations)

DUNAYEVSKIY, N. I.

DUNAYEVSKIY, N. I.

"The Problem of Interpreting Entropy", Trudy Mosk. Inzh. Ekonom. Inst., No 1, 1953, pp 249-258.

Author underlines difficulties arising in explaining to students the concept of entropy and suggests a new approach to the treatment of heat and entropy by binding the latter directly to dissipation processes of energy. (RZhFiz, No 1, 1955) SO: Sum. No. 443, 5 Apr. 55

DUNAYEVSKIY, O.A. (Leningrad)

Glutamineoxalacetic transaminase and its significance in the differential diagnosis of jaundice of different etiology. Vrach. delo no.11: 52-55 N '61. (MIRA 14:11)

1. Bol'nitsa imeni S.P.Botkina. Nauchnyy rukovoditel' - prof. V.V.Kosmachevskiy.
(JAUNDICE) (TRANSAMINASE) (SERUM DIAGNOSIS)

DUNAYEVSKIY, O.A. (Leningrad)

Activity of serum glutaminooxalatoacetic transaminase and aldolase in acute epidemic hepatitis. Vrach.delo no.1:88-89 Ja '63. (MIRA 16:2)
(HEPATITIS, INFECTIOUS) (ALDOLASE) (TRANSAMINASES)

DUNAYEVSKIY, O.A.

Characteristics of the course of acute epidemic hepatitis in elderly persons. Kaz. med. zhur. no.5:31-32 S-O'63
(MIRA 16:12)

1. Leningradskaya infektsionnaya bol'nitsa imeni S.P.Botkina (glavnyy vrach M.M.Figurina, nauchnyy rukovoditel' - prof. V.V.Kosmachevskiy).

DUNAYEVSKIY, O.A.; PLATONOVA, A.N.

Gynecomastia in patients with a chronic course of epidemic hepatitis. Trudy LPMI 30:233-236 '63. (MIRA 18:3)

1. Bol'nitsa imeni Botkina v Leningrade (glavnyy vrach M.M. Figurina, nauchnyy rukovoditel' prof. Ye.S.Gurevich).

KUSHNIR, B.G., gornyy inzh.; DUMAYEVSKIY, P.V., gornyy inzh.

Lvov-Volyn Basin in the seven-year plan. Ugol' Ukr. 3 no.8:9-10 Ag '59. (MIRA 12:12)
(Lvov-Volyn Basin--Coal mines and mining)

DUKAYEVSKIY, P.V.

Schools of communist labor in Chervonograd mines. Ugol' Ukr. 10 no. 1:39 Ja '66. (MIRA 18:12)

1. Nachal'nik otdela truda i zarabotnoy platy tresta Chervonogradugol'.

[redacted], S. Ya.

[redacted]ineer, "The Application of an Electromagnetic
[redacted]lay for Controlling the Revolutions While Braking
[redacted]th Counter Current," Stanki i Instrument, 10,
No. 1, 1939.

Report U-1505, 4 Oct 1951.

DUNAYEVSKIY, S. Ya.

"Analysis of Transitory Modes of Operation in the Generator-Motor System in Consdieration of Saturation and Eddy Currents." Official opponents; Ye. V. Mitusov, Professor, Doctor of Technical Sciences and K. V. Urnov, Candidate of Technical Sciences.

Dissertation for the Degree of Candidate of Technical Sciences, defended at All-Union Correspondence Polytechnic Inst. 29 June 1950 (Elektrichestvo, 1958, No. 5, pp. 89-91.)

DUNAYEVSKIY, S. Ya.

178-T43

USSR/Electricity - Magnetic Circuits Feb 51
Eddy Currents

"Influence of Eddy Currents Upon the Process of Flux Establishment," S. Ya. Dunayevskiy, Cand Tech Sci, "Elektroprivod" Trust, Min Elec Power Sta

"Elektrichestvo" No 2, pp 55-63

Investigates methods which permit one to calc effect of eddy currents upon processes of setting up flux in magnetic circuits contg massive parts. Submitted 27 Feb 50.

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DUNAYEVSKIY, S Ya.

25(1) PHASE I BOOK EXPLOITATION SOV/2383

Akademiya nauk SSSR. Komissiya po tekhnologii mashinostroyeniya

Avtomatizatsiya mashinostroitel'nykh protsessov. t. II: Privod i upravleniye rabochimi mashinami (Automation of Machine-building Processes. Vol 2: Drives and Control Systems for Process Machinery) Moscow, Izd-vo AN SSSR, 1959. 370 p. Errata slip inserted. 5,000 copies printed.

Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: D.M. Ioffe; Tech. Ed.: I.F. Kuz'min.

PURPOSE: This book is intended for engineers dealing with automation of various machine-building processes.

COVERAGE: This is the second volume of transactions of the second Conference on Overall Mechanization and Automation of Manufacturing Processes held September 25-29, 1956. The present volume consists of three parts, the first dealing with automation of engineering measuring methods. The subjects discussed include automatic control of dimensions of machined parts, inspection methods for automatic production lines, in-process inspection

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devices, application of electronics in automating linear measuring processes, and machines for automatic inspection of bearing races. The second part deals with automatic drives and control systems for process machinery, including application of digital computers in the control of metal-cutting machine tools, reliability of relay systems, application of gas-tube frequency converters in the control of induction motor speeds, magnetic amplifiers and their use in automatic systems, hydraulic drives, and ultrasonic vibrators. Part three deals with mechanisms of automatic machines and automatic production lines. The subjects discussed include linkage, indexing, and Geneva-wheel-type mechanisms, friction drives, automatic loading devices, diaphragm-type pneumatic drives, various auxiliary devices for automatic production lines, and methods of design and accuracy of cams. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

PART II. AUTOMATIC DRIVES AND CONTROL SYSTEMS FOR PROCESS MACHINERY

AVAILABLE: Library of Congress

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GABLER, M.[Gabler. Miloš], inzh.; OASHKOVETS, Y.[Hašková, Jiří], inzh.; TOMANEK, Ye. [Tománek, Evžen], inzh.; ROZENBLIT, D.G. [translator]; DUNAYEVSKIY, S.Ya.[translator]. Prinimal uchastiye YAKOBSON, N.B., kand. tekhn. nauk, red.; ARENBERG, N.Ya., red.; SVESHNIKOV, A.A., tekhn. red.

[Magnetic amplifiers] Magnitnye usiliteli. Pod red. S.IA.Dunaev-skogo. Moskva, Izd-vo "Sovetskoe radio," 1961. 449 p. Translated from the Czech. (MIRA 14:11)

(Magnetic amplifiers)

DUNAYEVSKIY, S.Ya., kand.tekhn.nauk (Moskva); YAKOBSON, M.B., kand.tekhn. nauk (Moskva)

Regulation of the angular velocity of an asynchronous motor using in opposition connected magnetic amplifiers in the rotor circuit. Elektrichestvo no.12:51-55 D '62. (MIRA 15:12)
(Electric motors, Induction) (Magnetic amplifiers)

DUNAYEVSKIY, S.Ya., kand.tekhn.nauk

Modeling of a magnetic amplifier. Elektrotekhnika 36 no.6:43-47 Je '65. (MIRA 18:7)

DUNAYEVSKIY, V. A.

"Acute Leukoses in the Stomatological Clinic." Cand Med Sci, Leningrad Medical Stomatological Inst, Leningrad, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

DUNAYEVSKIY, V.A.

BABITSKAYA, Ye.Ye., kandidat meditsinskikh nauk (Leningrad); NAUMOV, P.V., kandidat meditsinskikh nauk (Leningrad); DUNAYEVSKIY, V.A., kandidat meditsinskikh nauk (Leningrad).

Planning an operation for the restoration of the nose. Stomatologiia no.2:38-40 Mr-Ap '54. (MLRA 7:4)

1. Iz Leningradskogo meditsinskogo stomatologicheskogo instituta (direktor - professor R.I.Gavrilov).
(Nose--Surgery) (Surgery, Plastic)

DUNAYEVSKIY, V.A., kandidat meditsinskikh nauk

Transplantation of the cartilage for improving the shape and function of the lower lip. Stomatologiia no.3:43-44 My-Je '55.

1. Is kafedry khirurgicheskoy stomatologii (zav.prof. A. A. Limberg) Leningradskogo meditsinskogo stomatologicheskogo instituta (dir.prof. R.I. Gavrilov)

(CARTILAGE, transplantation, lip reconstruction)
(LIPS, surgery, plastic, transpl. of cartilage)
(TRANSPLANTATION, cartilage, lip plastic surg.)

DUMAYEVSKIY, V.A., kandidat meditsinskikh nauk

Branching hemangioma of the left cheek and of the mandible. Stomatologiia no.4:33-35 Jl-Ag '55. (MLRA 8:10)

1. Iz kafedry khirurgicheskoy stomatologii (zav.--prof. A.A.Limberg) Leningradskogo meditsinskogo stomatologicheskogo instituta (dir.prof. R.I.Gavrilov)

(ANGIOMA,
cheek & mandible)
(MANDIBLE, neoplasms,
angioma of cheek & mandible)
(FACE, neoplasms,
angioma of cheek & mandible)

DUBOV, M.D., doktor meditsinskikh nauk; DUNAYEVSKIY, V.A., kandidat meditsinskikh nauk.

Anesthesia in surgery of peri-gnathic phlegmons. Stomatologiia no.5:26-28 S-O '55. (MLRA 9:2)

1. Iz kafedry khirurgicheskoy stomatologii Leningradskogo meditsinskogo stomatologicheskogo instituta.

(JAWS, diseases,
phlegmon, peri-gnathic, anesth. in surg.)
(PHLEGMON,
peri-gnathic, surg. anesth)
(ANESTHESIA,
in phlegmon of peri-gnathic space surg.)

DUNAYEVSKIY, V.A., kandidat meditsinskikh nauk.

Free one-stage osteoplasty of the lower jaw with a temporary communication between the surgical wound and the oral cavity. Stomatologiia, no.6:35-36 N-D '55. (MLRA 9:5)

1. Iz kafedry khirurgicheskoy stomatologii Leningradskogo meditsinskogo stomatologicheskogo instituta (zav.-prof. A.A. Limberg)

(MANDIBLE, surg.
osteoplasty, with open wound in oral cavity)

DUNAYEVSKIY, V.A., kandidat meditsinskikh nauk (Leningrad, nab. reki Fontanki, d.14, kv.6)

Primary osteoplasty in subperiostal exarticulation of half of the maudible. Vest.khir. 78 no.3:100-102 Mr '57. (MLRA 10:6)

1. Iz kafedry khirugicheskoy stomatologii (zav. - prof. A.A. Limberg) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(MANDIBLE, surg.
osteoplasty in subperiostal exarticulation of madibular half (Rus))

DRAYGOR, D.A., doktor tekhn. nauk; SOLOGUB, V.A., inzh.; BELKIN, M.Ya., inzh.; DUNAYEVSKIY, V.I., inzh.

Strength of ball-burnished circular. Mashinostroenie no.5: 45-46 S-O '63. (MIRA 16:12)

DRAYGOR, D.A., doktor tekhn. nauk [deceased]; SOLOGUB, V.A.; DUNAYEVSKIY, V.I.

Effect of surface-active lubricating and cooling liquids on the durability of the blades of rotary shears. Mat. i gornorud. prom. no.3:39-41 My-Je '64. (MIRA 17:10)

NOVOMLINSKIY, V.V.; DUNAYEVSKIY, V.I.

New type of electromagnetic roller. Met. i gornorud. prom. no.3:68 My-Je '64. (MIRA 17:10)

DUNAYEVSKIY, V.I.; LAPSHOV, L.L.; PONOMAREV, N.I.

Redistribution of torque during straightening on roller sheet levellers. Met. i gornorud. prom. no.6:38-39 N-D '64.
(MIRA 18:3)

BELKIN, M.Ya.; VENZHEGA, A.S.; DUNAYEVSKIY, V.I.; VOYAKIN, V.N.

Determining the depth of the hardened layer in alloyed steels. Zav.lab. 31 no.4:485-488 '65. (MIRA 18:12)

1. Staro-Kramatorskiy mashinostroitel'nyy zavod im. Ordzhonikidze.

L 09364-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WB

ACC NR: AP6023421 SOURCE CODE: UR/0139/66/000/003/0130/0134

AUTHOR: Sera, T. Ya. (deceased); Chemeresyuk, G. G.; Dunayevskiy, V. I. 52 B

ORG: Odessa State University im. I. I. Mechnikov (Odesskiy gosuniversitet) 27

TITLE: Influence of oxidation of copper in the activation of polycrystalline cadmium selenide on the photoelectric properties of the latter

SOURCE: IVUZ. Fizika, no. 3, 1966, 130-134

TOPIC TAGS: cadmium selenide, cuprous oxide, photoelectric property, activated crystal, oxidation

ABSTRACT: The authors studied the oxidation accompanying the activation heat treatment of CdSe powder produced by the "Krasnyy khimik" plant. The copper was introduced by several methods (sputtering, mixing of amorphous copper in the powder, treatment with $CuCl_2$ solution) and heat treated at 550C in air for several hours. The photoconductivity of both the activated CdSe and undoped CdSe used as a comparison standard, at wavelengths 500 - 900 nm obtained from a monochromator, was determined. The standard CdSe polycrystal had a photocurrent maximum near 725 nm, the same as single crystals. Addition of copper in solid form and heat treatment in air lowered the maximum wavelength, the shift increasing with the copper density and with the duration of exposure to the air. Heat treatment in a hydrogen atmosphere after oxidation produced a shift toward longer wavelengths. The results show that the decrease in maximum wavelength is due to the formation of cuprous oxide in the intercrystallite layers. The cuprous

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oxide also reduces the photosensitivity appreciably and decreases the relaxation time of the samples. When the copper was introduced into the CdSe in the form of a $CuCl_2$ solution, no cuprous oxide was formed after heat treatment in air, so that this procedure is recommended for CdSe activation. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: 060ct64/ ORIG REF: 003/ OTH REF: 006

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DUNAYEVSKIY, V.N.

PASTUSHENKO, V.O.; DUNAYEVSKIY, V.N.

Wheat

Effect of grass strips on increasing winter wheat yield on slopes. Sov.agron. 10, no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 1966, Unclassified.

PASTUSHENKO, V.O., kandidat sel'skokhozyaystvennykh nauk; DUNAYEVSKIY, V.M.

Antierosion measures on collective farms of the forested steppe zone of the Ukrainian S.S.R. Zemledelie 4 no.5:72-77 My '56. (MLRA 9:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut sotsialisticheskogo zemledeliya.

(Ukraine--Erosion)